



## COUNTY OF LOS ANGELES FIRE DEPARTMENT

1320 NORTH EASTERN AVENUE  
LOS ANGELES, CALIFORNIA 90063-3294  
(323) 881-2401  
[www.fire.lacounty.gov](http://www.fire.lacounty.gov)

*"Proud Protectors of Life, Property, and the Environment"*

DARYL L. OSBY  
FIRE CHIEF  
FORESTER & FIRE WARDEN

### BOARD OF SUPERVISORS

HILDA L. SOLIS  
FIRST DISTRICT

MARK RIDLEY-THOMAS  
SECOND DISTRICT

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THIRD DISTRICT

JANICE HAHN  
FOURTH DISTRICT

KATHRYN BARGER  
FIFTH DISTRICT

January 29, 2019

The Honorable Board of Supervisors  
County of Los Angeles  
383 Kenneth Hahn Hall of Administration  
500 West Temple Street  
Los Angeles, California 90012

Dear Supervisors:

# ADOPTED

BOARD OF SUPERVISORS  
COUNTY OF LOS ANGELES

42 February 5, 2019

CELIA ZAVALA  
EXECUTIVE OFFICER

**APPROVE THE ACCEPTANCE OF GRANT FUNDS FROM THE STATE OF CALIFORNIA  
DEPARTMENT OF FORESTRY AND FIRE PROTECTION– FOREST HEALTH CALIFORNIA  
CLIMATE INVESTMENTS GRANT PROGRAM AND APPROVE APPROPRIATION ADJUSTMENT  
(ALL SUPERVISORIAL DISTRICTS) (4-VOTES)**

### SUBJECT

The Consolidated Fire Protection District of Los Angeles County (District) is requesting Board of Supervisors (Board) approval to accept grant funds from the State of California Department of Forestry and Fire Protection (CAL FIRE) - Forest Health California Climate Investments (CCI) Grant Program for the Goldspotted Oak Borer Monitoring and Mitigation Program, and approval of an Appropriation Adjustment. The project objective is to remove insect infested Oak trees that are dead or dying, which pose a threat to the residents of the Green Valley State Responsibility Area (SRA), and procure a new wood chipper.

**IT IS RECOMMENDED THAT THE BOARD ACTING AS THE GOVERNING BODY OF THE  
CONSOLIDATED FIRE PROTECTION DISTRICT OF LOS ANGELES COUNTY:**

1. Authorize the Fire Chief, or his designee to accept the Forest Health CCI Grant award in the amount of \$3.0 million (Attachment A) to remove approximately 1,500 dead or dying trees adjacent to structures in Green Valley SRA through Agricultural Commissioner/Weights & Measures (ACWM) Master Agreement and procure a new wood chipper.

2. Approve an Appropriation Adjustment (Attachment B) in the amount of \$1.142 million from the Department of Forestry and Fire Protection to increase the Executive Budget Unit's Services and Supplies by \$1.0 million and Capital Assets – Equipment by \$0.142

million for the Goldspotted Oak Borer Monitoring and Mitigation Program.

3. Approve and delegate authority to the Fire Chief, or his designee, to execute any grant agreement and all future amendments, extensions, augmentations, and request for reimbursement to meet the conditions of the grant award.
4. Authorize the District's Forestry Division Chief to approve grant reimbursement invoices.

### **PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION**

The project objective is to reduce the risk of public safety to residents of Green Valley by removing dead and dying trees adjacent to structures. The removal of insect infested trees is directly proportional to the spread of infestation; less infested trees reduces the insect population. Green Valley is a community of single family homes, farms, and businesses within the SRA and the Very High Fire Hazard Severity Zone (VHFHSZ). All parcels are private lands.

The District's Forestry Division, camp crews, the California Conservation Corps (CCC), and property owners have removed 250 infested trees since the fall of 2015. However, due to the required skill level and liability, the District and the CCC crews are unable to remove trees in such close proximity to structures.

In 2016, the District received \$200,000 from CAL FIRE to remove approximately 100 dead or dying trees. A total of 61 trees were removed during the first phase; a work order to remove additional trees is scheduled for the fall of 2018.

### **Implementation of Strategic Plan Goals**

Approval of the recommended actions is consistent with the County's Strategic Goals No. II, Strategy II.2.3: Prioritize Environmental Health Oversight and Monitoring by strengthening the County's capacity to effectively prevent, prepare for, and respond to emergent environmental and natural hazards and reduce impacts to disproportionately affected communities.

### **FISCAL IMPACT/FINANCING**

Following your Board's approval of the recommended Appropriation Adjustment in the amount of \$1.142 million, the grant will increase the Executive Budget Unit's Services and Supplies appropriation by \$1.0 million and the Capital Assets – Equipment appropriation by \$0.142 million. There is no cost share or matching funds requirement. The grant is fully funded by CAL FIRE and Forest Health CCI Grant Program.

There is no impact to net County cost.

### **FACTS AND PROVISIONS/LEGAL REQUIREMENTS**

CAL FIRE has provided the District with specific guidelines, reports, and expenditure procedures for the administration and management of the Forest Health CCI Grant Program. Unless an amendment is approved by CAL FIRE, the Forest Health CCI Grant performance period ends in the

spring of 2022.

### **ENVIRONMENTAL DOCUMENTATION**

The recommended actions are subject to the California Environment Quality Act (CEQA), according to Section 15378 of CEQA these actions constitute a project. CEQA Compliance was received at the State Clearing House on January 24, 2018. A copy of the certified CEQA document will be provided to the grantor before any grant funds are made available and before the actions are performed.

### **IMPACT ON CURRENT SERVICES (OR PROJECTS)**

Approval of the recommended actions will enable the District to remove infested trees which will greatly reduce the GSOB propagation; less infested trees will reduce the insect population, and address existing fire hazards.

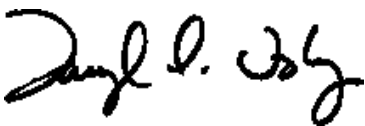
### **CONCLUSION**

Upon approval by your Honorable Board, please instruct the Executive Officer to return the adopted stamped copy of the letter and attachment to the following office:

Consolidated Fire Protection District of Los Angeles County  
Executive Office  
1320 North Eastern Avenue  
Los Angeles, CA 90063

The District's contact may be reached at (323) 881-6180.

Respectfully submitted,



DARYL L. OSBY  
FIRE CHIEF, FORESTER & FIRE WARDEN

DLO:car

Enclosures

c: Chief Executive Officer  
Executive Office, Board of Supervisors  
County Counsel



**DEPARTMENT OF FORESTRY AND FIRE PROTECTION**

P.O. Box 944246  
SACRAMENTO, CA 94244-2460  
(916) 653-7772  
Website: [www.fire.ca.gov](http://www.fire.ca.gov)



November 14, 2018

Ron Durbin  
County of Los Angeles Fire Department  
12605 Osborne St.  
Pacoima, CA 91331

8GG18604; County of Los Angeles Fire Department, "Goldspotted Oak Borer Monitoring and Mitigation Program"

**This Agreement cannot be considered binding on either party until approved by appropriate authorized CAL FIRE designee. No services should be provided prior to approval, as the State is not obligated to make any payments on any Agreement prior to final approval. FAILURE TO RETURN ALL DOCUMENTS BY DATE BELOW MAY RESULT IN LOSS OF FUNDING.**

**Please contact Kristen Merrill at (916) 651-2022 if you have questions concerning services to be performed.**

1. ☒ Full grant agreement including terms and conditions, project grant application form, budget, and other exhibits enclosed. Print (single sided) and return three (3) sets of agreements with original signatures in blue ink. In addition, please return the forms below, as applicable to your entity, to be received by CAL FIRE no later than **January 15, 2019**.
  - ☒ Attachment 5 – Std. 204 Payee Data Record <http://www.documents.dgs.ca.gov/dgs/fmc/pdf/std204.pdf>

Return all originals and requested documents for further processing to:

**Please send the originals to the following address:**

**CAL FIRE  
Attn: Grants Management Unit/CCI - FH  
P.O. Box 944246  
Sacramento, CA 94244-2460**

**You may send originals via overnight mail service to the following physical address:**

**801 Capitol Mall, Suite 420  
Sacramento, CA 95814**

2. ☐ Enclosed for your record is one fully executed copy of the agreement referenced above. When billing for services performed under this agreement, your invoices must reference the agreement number above and be submitted to the contract manager.

Thank you,

Alice Miller  
Grants Analyst  
Grants Management Unit

CC: Kristen Merrill  
Angela Lottes  
Stella Chan

Enclosures

**State of California  
Dept. of Forestry and Fire Protection (CAL FIRE)  
Resource Management  
GRANT AGREEMENT**

**APPLICANT:** County of Los Angeles Fire Department  
**PROJECT TITLE:** Goldspotted Oak Borer Monitoring and Mitigation Program  
**GRANT AGREEMENT:** 8GG18604

**PROJECT PERFORMANCE PERIOD IS from Upon Approval through February 28, 2022.**

Under the terms and conditions of this Grant Agreement, the applicant agrees to complete the project as described in the project description, and the State of California, acting through the Dept. of Forestry & Fire Protection, agrees to fund the project up the total state grant amount indicated.

**PROJECT DESCRIPTION.** This project will remove approximately 1,500 dead or dying Goldspotted Oak Borer (GSOB) infested oaks; work toward the elimination of GSOB; preserve 12,000 living trees; and provide opportunities in reforestation by developing age-class diversity in the local forest, further reducing greenhouse gas for many generations.

**Total State Grant not to exceed \$ 3,000,000.00** (or project costs, whichever is less)

*\*The Special and General Provisions attached are made a part of and incorporated into this Grant Agreement.*

*\*\*The below signor testifies that they have the authority to be signing this agreement in their capacity as an employee of the eligible entity for this grant.*

County of Los Angeles Fire Department

**STATE OF CALIFORNIA  
DEPARTMENT OF FORESTRY  
AND FIRE PROTECTION**

Applicant

By

Signature of Authorized Representative

By

Title: **Helge Eng**

**Deputy Director, Resource Management**

Title

Date

Date

**CERTIFICATION OF FUNDING**

AMOUNT OF ESTIMATE FUNDING \$ 3,000,000.00		GRANT AGREEMENT NUMBER 8GG18604		FUND  Optional Line Item: 3540-001-3228 Greenhouse Gas Reduction Fund (GGRF)		
ADJ. INCREASING ENCUMBRANCE \$ 3,000,000.00		APPROPRIATION  Greenhouse Gas Reduction Fund				
ADJ. DECREASING ENCUMBRANCE \$		FUNCTION  Greenhouse Gas Reduction Fund				
UNENCUMBERED BALANCE \$ 3,000,000.00		LINE ITEM ALLOTMENT 3540-001-3228	CHAPTER 14, 249		STATUTE 2017	FISCAL YEAR 17/18
T.B.A. NO.	B.R. NO.  FY	INDEX  9520	OBJ. EXPEN D 418	PCA  91015	PROJECT/WORK PHASE  VENDOR#	

**I hereby certify upon my personal knowledge that budgeted funds are available for this encumbrance.**

SIGNATURE OF CAL FIRE ACCOUNTING OFFICER

DATE

## TERMS AND CONDITIONS OF GRANT AGREEMENT

### **I. RECITALS**

1. This Agreement, is entered into between the State of California, by and through the California Department of Forestry and Fire Protection (CAL FIRE), hereinafter referred to as "STATE" and County of Los Angeles Fire Department, hereinafter referred to as "GRANTEE".
2. The STATE hereby grants to GRANTEE a sum (hereinafter referred to as "GRANT FUNDS") not to exceed three million dollars (\$3,000,000.00).
3. In addition to the terms and conditions of this Agreement, the STATE and GRANTEE agree that the terms and conditions contained in the documents set forth below are hereby incorporated and made part of this agreement.
  - a. California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2017-2018
  - b. California Air Resources Board Quantification Methodology for the Department of Forestry & Fire Protection (CAL FIRE) Forest Health Program Greenhouse Gas Reduction Fund Fiscal Year 2017-18
  - c. The submitted Application, Scope of Work, Budget Detail, GHG Emissions Reduction Methodology and Exhibits
  - d. Addendum for Greenhouse Gas Reduction Fund (GGRF) Grant Projects

### **II. SPECIAL PROVISIONS**

1. Recipients of GRANT FUNDS pursuant to California Public Resources Code Section 4799.05 shall abide by the provisions in this Agreement. This includes the requirement that work shall not commence prior to the execution of this Agreement by both parties. Any work started prior to the execution of this Agreement will not be eligible for funding under the terms of this Agreement.
2. As precedent to the State's obligation to provide funding, GRANTEE shall provide to the STATE for review and approval a detailed budget, specifications, and project description. Approval by the STATE of such plans and specifications, or any other approvals provided for in this Agreement, shall be for scope and quality of work, and shall not relieve GRANTEE of the obligation to carry out any other obligations required by this Agreement, in accordance with applicable law or any other standards ordinarily applied to such work or activity.

3. All informational products (e.g., data, studies, findings, management plans, manuals, photos, etc.) relating to California's natural environment produced with the use of GRANT FUNDS shall be available for public use.

### **III. GENERAL PROVISIONS**

#### **1. Definitions**

- a. The term "Agreement" means grant agreement number 8GG18604.
- b. The term "GRANT FUNDS" means the money provided by the STATE to the GRANTEE in this Agreement.
- c. The term "GRANTEE" means an applicant who has a signed Agreement for the award for GRANT FUNDS.
- d. The term "Other Sources of Funds" means all matching fund sources that are required or used to complete the Project beyond the GRANT FUNDS provided by this Agreement.
- e. The term "STATE" means the State of California, Department of Forestry and Fire Protection (CAL FIRE).
- f. The term "Project" means the development or other activity described in the "Project Scope of Work".
- g. The term "Project Budget Detail" as used herein defines the approved budget plan.
- h. The term "Project Scope of Work" as used herein means the individual scope of work describing in detail the approved tasks.

## 2. Project Representatives

The project representatives during the term of the agreement will be:

STATE: CAL FIRE	GRANTEE: County of Los Angeles Fire Department
Section/Unit: HQ Resource Management	Section/Unit: N/A
Attention: Kristen Merrill	Attention: Ron Durbin
Mailing Address: P.O. Box 944246 Sacramento, CA 94244-2460	Mailing Address: 12605 Osborne St., Pacoima, CA 91331
Phone Number: (916) 651-2022	Phone Number: (818) 890-5758
Email Address: Kristen.Merrill@fire.ca.gov	Email Address: Ron.Durbin@fire.lacounty.gov

Changes to the project representatives during the term of the agreement shall be made in writing. Notice shall be sent to the above representative for all notice provisions of this Agreement.

## 3. Project Execution

- a. Subject to the availability of grant monies, the STATE hereby grants to the GRANTEE a sum of money (GRANT FUNDS) not to exceed the amount stated on Section I. RECITALS, Paragraph 2 in consideration of and on condition that the sum be expended in carrying out the purposes as set forth in the description of the Project in this Agreement and its attachments and under the terms and conditions set forth in this Agreement.
- b. GRANTEE shall assume any obligation to furnish any additional funds that may be necessary to complete the Project. Any amendment to the Project as set forth in the Application on file with the STATE must be submitted to the STATE for approval in writing. No amendment is allowed until written approval is given by the STATE.
- c. GRANTEE shall complete the Project in accordance with the time of Project performance set forth in this Agreement, unless an amendment



has been approved and signed by the STATE under the terms and conditions of this Agreement. Amendments must be requested in advance and will be considered in the event of circumstances beyond the control of the GRANTEE, but in no event less than 90 days from the Agreement expiration date and in no event less than 60 days before the effective date of the amendment. Approval of amendment is at the STATE's discretion.

- d. GRANTEE certifies that the Project Scope of Work complies with all local, State, and federal laws and regulations.
- e. GRANTEE shall comply with the California Environmental Quality Act (CEQA) (Public Resources Code, Section 21000, et. seq. Title 14, California Code of Regulations, Section 15000 et. seq.) and all other local, State, and federal environmental laws. A copy of the certified CEQA document must be provided to STATE before any GRANT FUNDS are made available for any Project activity that could directly impact the environment (e.g. cutting, piling or burning bush, masticating, dozer work, etc.). CEQA compliance shall be completed within one (1) year from start date of the Agreement. The start date is considered the date the last party signs the Agreement. GRANT FUNDS will be made available in advance of CEQA compliance for project activities that do not have the potential to cause a direct environmental impact (e.g. project planning, locating and marking property or project boundaries, contacting and signing up landowners, etc.).
- f. GRANTEE shall permit periodic site visits by representative(s) of the STATE to ensure program compliance and that work is in accordance with the approved Project Scope of Work, including a final inspection upon Project completion.
- g. GRANTEE, and the agents and employees of GRANTEE, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents, of the STATE.

#### 4. Project Costs and Payment Documentation

- a. Payment by the STATE shall be made after receipt of an acceptable invoice and approval by a duly authorized representative of the STATE. GRANTEE shall submit an invoice for payment to the CAL FIRE Project Representative of the STATE. A final invoice shall be submitted no later than 30 days after completion, expiration, or termination of this Agreement.

- b. For services satisfactorily rendered, and upon receipt and approval of invoices for payment, the STATE agrees to compensate GRANTEE for actual expenditures incurred in accordance with the rates specified herein, which is attached hereto, as Attachment 3 – Final Project Budget, and made a part of this Agreement.
- c. Equipment purchased using GRANT FUNDS, wholly or in part, must be used by the GRANTEE for the project which it was acquired. STATE retains a vested interest in the equipment for the useful life of the equipment, even after completion of the grant. GRANTEE shall provide written disposition of the equipment upon completion of the grant and upon any changes to the disposition of the equipment. Such disposition must be approved in advance by STATE. Equipment purchased using GRANT FUNDS cannot be used as collateral, financed, or sold without prior written approval from the STATE.
- d. GRANTEE shall submit, in arrears, not more frequently than once a month, and no less than quarterly, an invoice to the STATE for costs paid by GRANTEE pursuant to this Agreement. Each invoice shall contain the following information: the Agreement number, the dates or time period during which the invoiced costs were incurred, expenditures for the current invoice and cumulative expenditures to date by major budget category (e.g., salaries, benefits, supplies, etc.), appropriate supporting documentation, project progress reports, and the signature of an authorized representative of GRANTEE as detailed in the Invoice Guidelines of the California Climate Investments Department of Forestry and Fire Protection Forest Health Program Grant Guidelines 2017-2018.
- e. GRANT FUNDS in this Agreement have a limited period in which they must be expended. All GRANTEE expenditures must occur prior to the end of the Project performance period of this Agreement.
- f. Except as otherwise provided herein, GRANTEE shall expend GRANT FUNDS in the manner described in the Project Budget Detail approved by the STATE. The dollar amount of an item in the Project Budget Detail may be increased or decreased by up to ten percent (10%) of the budget item through reallocation of funds from another item or items, without approval by the STATE; however, GRANTEE shall notify the STATE in writing in project progress reports when any such reallocation is made, and shall identify both the item(s) being increased and those being decreased. Any increase or decrease of an item of more than ten percent (10%) of the budget item must be approved in writing by the STATE before any such increase or decrease is made. A formal approved amendment is required to increase the total amount of GRANT FUNDS.

g. GRANTEE shall promptly submit any and all records at the time and in the form as the STATE may request.

h. GRANTEE shall submit each invoice for payment to:

California Department of Forestry & Fire Protection  
HQ Resource Management  
Attention: Kristen Merrill  
P.O. Box 944246  
Sacramento, CA 94244-2460

i. Notwithstanding any of the provisions stated within this Agreement, the STATE may at its discretion make advance payment from the grant awarded to the GRANTEE if GRANTEE is a nonprofit organization, a local agency, a special district, a private forest landowner or a Native American tribe. Advance payment made by the STATE shall be subject to the following provisions.

- GRANTEE shall submit a written request identifying how funds will be used over a six-month period. The written request must be accompanied by an invoice that contains the same level of detail as a regular invoice.
- GRANTEE shall file an accountability report with STATE four months from the date of receiving the funds and every four months thereafter.
- Multiple advance payments may be made to a GRANTEE over the life of a project.
- No single advance payment shall exceed 25% of the total grant amount and must be spent on eligible costs within six months of the advance payment request. GRANTEE may request additional time to spend advance funds but must be approved in writing by the STATE. The balance of unspent advance payment funds not liquidated within the six-month spending period will be billed for the return of advanced funds to the STATE.
- All work under a previous advance payment must be fully liquidated via an invoice and supporting documentation and completed to the STATE's satisfaction before another advance payment will be made.
- Any advance payment received by a GRANTEE and not used for project eligible costs shall be returned to CAL FIRE. The amount will be returned to the grant balance.

- Advance payments must be deposited into an interest-bearing account. Any interest earned on advance payment funds must be accounted for and used toward offsetting the project cost or returned to the STATE

## 5. Budget Contingency Clause

- a. If STATE funding for any fiscal year is reduced or deleted for purposes of the Forest Health Program California Climate Investments Grant Program, the STATE shall have the option to either cancel this Agreement with no liability occurring to the STATE, or if possible and desirable, offer an Agreement amendment to GRANTEE to reflect the reduced amount available for the Project.

## 6. Project Administration

- a. GRANTEE shall provide the STATE a written report showing total final Project expenditures and matching funds upon Project completion or grant expiration, whichever occurs first. GRANTEE must report to the STATE all sources of other funds for the Project. If this provision is deemed to be violated, the STATE will request an audit of GRANTEE and can delay the disbursement of funds until the matter is resolved.
- b. GRANTEE shall promptly submit written Project reports as the STATE may request throughout the term of this Agreement.
- c. GRANTEE shall submit a final accomplishment report, final invoice with associated supporting documentation, and copies of materials developed using GRANT FUNDS, including but not limited to plans, educational materials, etc. within 30 days of Project completion.

## 7. Financial Records

- a. GRANTEE shall retain all records described in Section 7(c) below for three (3) years after final payment by the STATE. In the case an audit occurs, all such records shall be retained for one (1) year from the date is audit is completed or the three (3) years, whichever date is later.
- b. GRANTEE shall maintain satisfactory financial accounts, documents, and records for the Project and make them available to the STATE for review during reasonable times. This includes the right to inspect and make copies of any books, records, or reports of GRANTEE pertaining to this Agreement or matters related thereto.

- c. GRANTEE shall keep such records as the STATE shall prescribe, including, but not limited to, records which fully disclose (a) the disposition of the proceeds of state funding assistance, (b) the total cost of the Project in connection with such assistance that is given or used, (c) the amount and nature of that portion of the Project cost supplied by other sources, and (d) any other such records as will facilitate an effective audit. All records shall be made available to the STATE, other State of California agency, or other entity as determined by the State of California for auditing purposes at reasonable times.
- d. GRANTEE shall use any generally accepted accounting system.

#### 8. Project Termination

- a. This Agreement may be terminated by the STATE or GRANTEE upon 30-days written notice to the other party.
- b. If either party terminates the Agreement prior to the completion of the Project, GRANTEE shall take all reasonable measures to prevent further costs to the STATE under the Agreement and the STATE shall be responsible for any reasonable and non-cancelable obligations incurred by GRANTEE in the performance of this Agreement prior to the date of the notice to terminate, but only up to the undisbursed balance of funding authorized in this Agreement.
- c. Failure by GRANTEE to comply with the terms of this Agreement may be cause for suspension of all obligations of the STATE hereunder at the discretion of the STATE.
- d. Failure of GRANTEE to comply with the terms of this Agreement shall not be cause for the suspension of all obligations of the STATE hereunder if in the judgment of the STATE such failure was due to no fault of GRANTEE. At the discretion of the STATE, any amount required to settle at minimum cost any irrevocable obligations properly incurred shall be eligible for reimbursement under this Agreement.
- e. Final payment to GRANTEE may not be made until the STATE determines the Project conforms substantially to this Agreement.

#### 9. Hold Harmless

- a. GRANTEE shall defend, indemnify and hold the STATE, its officers, employees, and agents harmless from and against any and all liability, loss, expense (including reasonable attorney's fees), or claims for injury or damages arising out of the performance of this Agreement but only in

proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of GRANTEE, its officers, agents, or employees. The duty of GRANTEE to indemnify and hold harmless includes the duty to defend as set forth in Civil Code Section 2778. This Agreement supersedes GRANTEE's right as a public entity to indemnify (see Government Code Section 895.2) and contribution (see Government Code Section 895.6) as set forth in Government Code Section 895.4.

- b. GRANTEE waives any and all rights to any type of express or implied indemnity or right of contribution from the STATE, its officers, agents, or employees for any liability resulting from, growing out of, or in any way connected with or incident to this Agreement.
- c. Nothing in this Agreement is intended to create in the public or in any member of it rights as a third-party beneficiary under this Agreement.

#### 10. Tort Claims

##### FEDERAL:

The United States shall be liable, to the extent allowed by the Federal Tort Claims Act 28 United States Code 2671-2680, for claims of personal injuries or property damage resulting from the negligent or wrongful act or omission of any employee of the United States while acting within the scope of his or her employment, arising out of this Agreement.

##### STATE:

The State of California shall be liable, to the extent allowed by law and subject to California Government Code, Title 1, Division 3.6, providing for the filing of tort claims against the State of California, for personal injuries or property damage resulting from the negligent or wrongful act or omission of State of California employees while acting within the scope of his or her employment, arising out of this Agreement.

#### 11. Nondiscrimination

The State of California prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, sex, marital status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. GRANTEE shall not discriminate against any person on any of these bases.

## 12. Incorporation

The grant guidelines and the Project Scope of Work, Project Budget Detail and any subsequent amendments or modifications to the Project Scope of Work and Project Budget Detail approved in writing by the STATE are hereby incorporated by reference into this Agreement as though set forth in full in this Agreement.

## 13. Severability

If any provision of this Agreement or the Project Scope of Work thereof is held invalid, that invalidity shall not affect other provisions or applications of this Agreement which can be given effect without the invalid provision or application, and to this end the provisions of this Agreement are severable.

## 14. Waiver

No term or provision hereof will be considered waived by either party, and no breach excused by either party, unless such waiver or consent is in writing and signed on behalf of the party against whom the waiver is asserted. No consent by either party to, or waiver of, a breach by either party, whether expressed or implied, will constitute consent to, waiver of, or excuse of any other, different, or subsequent breach by either party.

## 15. Assignment

This Agreement is not assignable by GRANTEE either in whole or in part.

## ADDENDUM – CALIFORNIA CLIMATE INVESTMENTS (CCI) GRANT PROJECTS

### I. SPECIAL PROVISIONS

1. Grant funds shall be used on projects with the primary goal of reducing greenhouse gases (GHGs) and furthering the purposes of California's Global Warming Solutions Act of 2006, Division 25.5 (commencing with Section 38500) of the Health and Safety Code, and related statutes.
2. Grant funds shall be used on projects limited to specific activities as described in CCI Grants Procedural Guides.
3. Greenhouse gas emissions must be calculated using the CARB Greenhouse Gas Quantification Methodology applicable to the grant program (<https://ww2.arb.ca.gov/resources/documents/cqi-quantification-benefits-and-reporting-materials>).
4. Grantee shall report project and benefits information when requested by the State. This may include, but is not limited to, funding expended, acres treated, GHG emissions, trees planted, disadvantaged community benefits, energy/water savings, job creation, and other co-benefits.
5. Grantee shall maintain accurate and detailed records documenting project description, project location, and schedule, CCI dollars allocated, and leveraged funds throughout the duration of the project.
6. Failure of Grantee to meet the agreed upon terms of achieving required GHG reduction may result in project termination and recovery of funds.

### II. MONITORING AND REPORTING REQUIREMENTS

All funds expended through CCI are subject to emissions reporting and requirements. Grantee is expected to provide the appropriate materials for completing program quantification methodology. Grantee shall use the current reporting template provided by the STATE. The reporting shall be submitted to the STATE no less frequently than quarterly. In addition, STATE may request additional information to meet current CARB reporting requirements. The requirements are available on the CARB CCI Quantification, Benefits and Reporting Materials webpage: <https://ww2.arb.ca.gov/resources/documents/cqi-quantification-benefits-and-reporting-materials>.



### III. PROGRAM ACKNOWLEDGEMENT/RECOGNITION

1. All projects funded both fully and partially by the GGRF must clearly display, identify and label themselves as being part of the “California Climate Investments” program. The acknowledgement must contain the California Climate Investments and CAL FIRE logos as well as the following statement:

*“Funding for this project provided by the California Department of Forestry and Fire Protection as part of the California Climate Investments Program.”*

A draft of the acknowledgement must be approved by the STATE prior to publication. For stationary projects, acknowledgement may include, but is not limited to, a sign on the project site. For other project types, such as vehicles, equipment, and consumer-based incentives, acknowledgement is encouraged by using a decal, sticker or other signage.

Guidance on California Climate Investments logo usage, signage guidelines, and high-resolution files are contained in a style guide available at:

[www.caclimateinvestments.ca.gov/logo-graphics-request](http://www.caclimateinvestments.ca.gov/logo-graphics-request).

2. In addition, all projects funded both fully and partially by GGRF must contain the following statement in public announcements or press releases on said projects:

“The Goldspotted Oak Borer Monitoring and Mitigation Program is part of California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment— particularly in disadvantaged communities. The Cap-and-Trade program also creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution. California Climate Investments projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and much more. At least 35 percent of these investments are located within and benefiting residents of disadvantaged communities, low-income communities, and low-income households across California. For more information, visit the California Climate Investments website at: [www.caclimateinvestments.ca.gov](http://www.caclimateinvestments.ca.gov).”



**2017/2018 California Department of Forestry and Fire Protection  
California Climate Investments - Forest Health Grant Program Project Application**



CAL FIRE Tracking Number (From invite letter) 17-CCI-FH-01-0015-LAC

Please fill out this application completely, limiting your submission to the space provided if not otherwise stated. Applications that are not fully filled out or forms that are altered will not be scored. Be sure to save a copy for your records. Submit one electronic copy in the fillable PDF format with all supporting materials to [CALFIRE\\_Grants@fire.ca.gov](mailto:CALFIRE_Grants@fire.ca.gov). Please use "Forest Health Project Application" in the E-mail subject line and include the CAL FIRE tracking number. Carbon copy (CC) yourself as your CC will be proof of your submittal. In addition, submit one hard copy with signatures and all supporting materials to: California Department of Forestry and Fire Protection, Attention: Grants Management Unit/CCI-Forest Health, P.O. Box 944246, Sacramento, CA 94244-2460. Both hard copy and electronic copy must be postmarked **no later than June 13, 2018 at 3:00 pm**.

**1. Project Information:**

Project Title: Goldspotted Oak Borer Monitoring and Mitigation Program

County: Los Angeles

Grant Request \$ \$3,000,000.00

Matching \$ \$2,624,496.00

Total Project \$ \$5,624,496.00

Brief Project  
Description  
(limit to box)

Up to 3,000 Goldspotted Oak Borer (GSOB) infested trees in Green Valley (SRA) are dead or dying. If not removed, the risk of GSOB spreading could destroy thousands more, eliminating a defense against greenhouse gas. If funded, this project will remove approximately 1,500 dead or dying infested oaks (fuels reduction), work toward the elimination of GSOB (pest management), preserve 12,000 living greenhouse gas reducers (carbon sequestration) and provide opportunities in reforestation by developing age-class diversity in the local forest, further reducing greenhouse gas for many generations.

**2. Applicant Information:** *The Project Manager listed must be the person with day-to-day responsibility for the project.*

Applying Organization: County of Los Angeles Fire Department

Organization type: County

☐ Check if applicant is a local fire protection entity.

Project Manager Title: Acting Assistant Chief, Forestry

First Name Ron

Last Name Durbin

Email Ron.Durbin@fire.lacounty.gov

Phone Number (818) 890-5758

Address 1 12605 Osborne St.

Address 2

City Pacoima

State California

Zip Code 91331

**3. Grant Period:** *Provide the estimated start date and completion date for your project (last possible end date is March 30, 2022). Note that final billing is due 30 days after project completion.*

Project Start Date October 1, 2018

Project Completion Date Feb 28, 2022

**4. Cooperator information:** *List project cooperating organizations with contact name. Only list those organizations that have agreed to partner at this time. Attach signed letters from each organization detailing their role in project.*

LA County Agricultural Commissioner Weights and Measures: Ray Smith, [rsmith@acwm.lacounty.gov](mailto:rsmith@acwm.lacounty.gov) Master Vendor Agreement  
CAL FIRE: Kim Corella, [Kim.corella@fire.ca.gov](mailto:Kim.corella@fire.ca.gov), Kevin Turner, [kevin.turner@fire.ca.gov](mailto:kevin.turner@fire.ca.gov), Consult and advise on strategy and tactics.  
USDA Forest Service: Vilius Zukauskas, [vzukauskas@fs.fed.us](mailto:vzukauskas@fs.fed.us) Coordinate inspections, monitoring and removals on USFS land (pending).  
SCE: Vidal Millan, [Vidal.millan@sce.com](mailto:Vidal.millan@sce.com) Vidal made the initial discovery. Removals under power lines.  
County of Los Angeles Public Works: Nathan Birdwell, [Birdwell@dpw.lacounty.gov](mailto:Birdwell@dpw.lacounty.gov) Jurisdictional roadside removals.



**5a. Project Area/Zone of Influence:** Indicate the larger landscape area affected by the treatment acreage of the project. Include the Township, Range, Section(s), Base Meridian and County(s).

Green Valley (GV) is a rural community located in the Sierra Pelona Mountains, an unincorporated area of Los Angeles County with a population of approximately 1,500 residents of single family homes, farms and businesses and is surrounded by the Angeles National Forest. The GV community covers 12.81 square miles with an average elevation of 3000 feet. The community is designated as State Responsibility Area (SRA) and within the Very High Fire Hazard Severity Zone (VHFHSZ). All parcels are private and property owners previously paid into the SRA Fire Prevention Fee.

This project treats 1472 acres of private land and collaborates with the surrounding US Forest Service through data sharing and community relations.

On a larger, watershed scale, GV is within two hours driving time to nearly every corner of Los Angeles County. Because GSOB can travel great distances through firewood movement, all oak woodlands in Los Angeles and adjacent Counties are susceptible. Long range movement by firewood vectoring is clearly demonstrated through rapid GSOB spread in San Diego and its nearby counties.

Green Valley // Section(s) 6, 7, 8, 17, 18 of Township 6 North, Range 14 West, and Sections(s) 11, 12, 13, 14 of Township 6 North, Range 15 West, San Bernardino Baseline and Meridian

Name of USGS 7.5' Quad Map(s):

NE portion of Green Valley Quad, SE portion of Lake Hughes Quad

**Note:** In addition to the legal description(s) provided above, applicants must either provide GIS shape files of locations where each treatment type will occur, or must use an online mapping tool specified by CAL FIRE to delineate the treatment type areas.

**5b. Priority Areas:** Describe how the project will benefit priority areas as specified in the Grant Guidelines.

Green Valley is a single family (about 1500 homes) community with farms and small business in an SRA VHFHSZ. It's been heavily impacted by GSOB generating elevated tree mortality, yet there is a significant opportunity to limit damage and preserve a substantial oak woodland community. Wildfire in Green Valley has threatened or burned through the community numerous times in the past: 1980 Dam Fire: 5,735 acres; 1989 San Fran Fire: 2,250 acres; 1989 Spunky Fire: 305 acres; 2002 Copper Fire: 19,102 acres; 2008 South Fire: 132 acres. This project will reduce wildfire threats through dead or dying fuel reduction, reduce GSOB insect populations to control and minimize opportunities for vector transfer to new oak woodland communities, and improve forest health through release of overstocked stands where biomass production suffers with fully occupied growing spaces. Release of overstocked stands (removal of dead or dying infested oaks) should result in increases to DBH, stand vigor and resilience.

**6. Greenhouse Gas Reduction:** Provide a description of how the project will provide significant greenhouse gas reductions and specify if there are existing environmental credit projects on the acres that will be treated. The description must be supported by calculations. Attach your GHG reduction calculations following the 2017/2018 Quantification Methodology at: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/quantification.htm>

GV is a mature oak woodland protected through the LA Co. Oak Tree Ordinance. The area tends to be overstocked with mature trees competing for soil, water & sunlight; as a result of drought & invasive insect attack tree mortality is increasing. This grant seeks to remove dead/dying trees minimizing fire threats associated with dead standing trees. Some fuels reduction will occur to gain access to dead/dying & infested trees. Through elimination of hazard fuels, remaining trees may be released (decreased competition) & develop stronger root systems & increased diameter at breast height through availability of resources (water, sunlight & soil moisture). Fuels reduction may prevent catastrophic fires where carbon sequestration in existing trees is lost. GSOB has quickly spread, most likely through infested firewood movement. There is no known cure at this time. Infested trees typically die within two years of infestation, yet may continue producing insects a year after death. The Grant's goal is minimizing spread of GSOB through removal of dead/dying infested trees; and public education to prevent insect spread through infested firewood movement. On high value trees, homeowners may be given the option to contract with Agricultural Commissioner Weights and Measures (ACWM) to save infested trees through IPM alternatives. If these trees show continued signs of decline, and owners are unwilling to voluntarily remove infested trees, enforcement options are available using LA County Brush Clearance Fire Code SECTION 325, ACWM's Food and Agriculture Code 5401-5436 or Public Resources Code 4712-4718. Ideal goal is eradication; control is more realistic. As infested trees are removed insect populations should be reduced, particularly when amplifier trees are targeted. Project tactics include monitoring & mapping 15,000 oaks in GV. Early detection & rapid response is key to controlling spread. With this grant, significant contractor resources will be employed, removing infested trees, preventing spread to non-infested trees, or worse, spread to Santa Clarita, Pasadena or contiguous oak woodland in the Santa Monica Mountains, whose 100-year service value is estimated at \$17.9 billion dollars. The greatest GHG benefit is by preserving existing oak woodlands, removal of infested trees and prevention of catastrophic wildfires and associated GHG release.

**Net GHG Benefit Per CCI-Forest Health Funds Requested (MTCO2e/\$)** 69,811.92



**7. Environmental Compliance:** Check the box that indicates the status of the environmental compliance (CEQA, NEPA, ESA, etc.) for the project. Provide a brief description to justify the box checked. Attach copies of environmental analysis documents as needed.

- ☒ Environmental compliance is complete. ☐ Environmental compliance will be completed within 1 yr. of grant agreement execution.  
☐ Environmental compliance has not been started yet.

CEQA:

NOE submitted 1/19/2018: Categorical Exemption. Class 4 15304 Minor Alterations to Land

Date Received 1/24/2018: State Clearing House Number 2018018307

**8. Forest Health Treatment Types and Treatment Acreage:** Check the boxes for each activity type to be undertaken.

<input checked="" type="checkbox"/> Fuels Reduction acres: 1472	<input type="checkbox"/> Prescribed Fire acres:	<input checked="" type="checkbox"/> Pest Management acres: 1472	<input type="checkbox"/> Biomass Utilization acres: tons:
<input type="checkbox"/> Conservation Easement Note: Requires a Forest Legacy application acres:	<input checked="" type="checkbox"/> Reforestation acres: 1472 trees: 1000 approx.		<input type="checkbox"/> Research (only a component)

Describe overlapping treatments

Dead GSOB infested trees (fuels reduction) will be removed along with live, infested trees. Both conditions may be present on the same parcel, creating an overlap in treatments. Reforestation will occur on the same treated parcels when replanting takes place with homeowners consent. LA County Fire's Saugus Forestry Unit is currently growing replacement oaks, which are available for out-planting in cooler winter months, where seasonal rain increases survivability.

Federal Acres

SRA Acres

1,472

Other Acres\*

Total Acres

1,472

\*Describe

N/A

**9. Scope of Work:** Describe what methods will be used to accomplish the project and why those methods are the best available choice. If more space is needed, you may attach an additional three pages in no smaller than 11 point font.

GV GSOB monitoring and mitigation is conceptually simple, yet requires careful planning and community support. Since all SRA parcels are private, homeowner consent is required for inspection access; although, seasonal access is conditionally granted for annual defensible space inspections. Though defensible space inspections provide some access, thorough tree inspections are not possible without homeowner permission. Consequently since 2016, LA County Foresters have engaged in face to face conversations with nearly every property owner in GV, education owners on GSOB and asking for their help in combating this outbreak.

When monitoring/inspection access is granted, foresters evaluate all oaks on each parcel. Using Arc Collector on an iPad, specific data is entered including: a GPS point, accurate within 16'; DBH, height, canopy dimensions, canopy cover, number of exit holes and staining. Amplifier trees are identified along with high difficulty removal trees next to structures. Infested trees are prioritized by level of infestation and scheduled for removal. GPS mapping indicates GSOB spread and prevalence, allowing decision makers the ability to strategically plan removals by identifying the edge of infestation, creating a buffer, monitoring outside the buffer and removing trees from the outside-in.

Through October of 2017, infested trees were felled and debarked using LA County crews. With consultation with LA County Agriculture, bark was chipped to -3" to eliminate proliferation potential, and firewood was given back to the owner. This process is tedious, labor intensive and time consuming. Using this process since discovery, GSOB spread has steadily outpaced removals.

In February 2018, a \$200K FPF grant was secured allowing contract vendors to remove infested trees: 61 infested trees were removed in just over one month by one vendor through whole-tree chipping. Whole tree chipping is far more efficient, allowing removal of up to three trees per day, while also eliminating potential GSOB spread by firewood movement. This grant will facilitate hiring contract vendors to significantly increase efficiency, allowing removal of approximately 1,500 infested trees and is the greatest opportunity for GSOB control in GV.



**10. Permanence:** *Describe how the project will increase average stem diameter and provide other site-specific improvement to forest complexity, as demonstrated by the expansion of the variety of tree age classes and species persisting for a period of at least 50 years.*

Removal of approximately 1,500 dead/dying infested trees should release overstocked stands & increase average stem diameters through improved availability of required resources (water, sunlight & soil volume). A thoughtful regeneration program should allow suppressed seedlings opportunities for growth. Forestry is currently growing seedlings to replant in areas heavily impacted by tree mortality. Seedlings will also be available to the USDA Forest Service surrounding the entire GV community. The combined effect will be increasing age classes, since the current oak woodland community is generally at climax, where smaller trees are suppressed & growing space is limited. Anticipated size for out-planting will be supercell & D-cell, along with an acorn in each hole. Approximately 10,000s tree will be grown with materials & facilities accounted for with Forestry's existing budget. Acorns were collected from local xeric sites to enhance drought tolerance & minimize mortality. Over time, newly planted trees will contribute to greenhouse gas (GHG) reductions through increasing carbon sequestration. LACo Fire/Forester & Fire Warden has been providing seedlings to communities since forming in 1912. The majority of residents moved to GV for its rustic charm & old town feel, beautifully enhanced by the oak woodland, without which, the community most likely would not have grown to what exists today; consequently, protecting, preserving & enhancing the oak woodland is paramount for residents. LACoFD via this grant, would like to maintain the oak woodland for future generations; and continue with our mission protecting lives, the environment, & property by providing prompt, skillful and cost-effective fire protection & life-safety services.

This project will generate significant wood chip volume, to be used as a 4" cover on exposed soil, allowing decomposition and reintegration into soil horizons for later uptake by new & existing oaks or native plants. This additional mulch cover will provide further benefit in reducing soil moisture loss & increasing water availability to remaining plants. Considering ongoing/anticipated drought conditions, preserving soil moisture is critical for tree/shrub health & also for residents who function on eight alluvial wells incorporated into a special water district. Beyond increasing stem diameters, age classes & carbon sequestration, additional benefits can be anticipated, including: improved goodwill w/the fire service & enhanced reputation in the community, maintained property values w/ preserved oaks, reduced fuel loading & enhanced fire-safety, energy savings through passive cooling (shade, GHG reduction with lower air-conditioning costs), recreational opportunities for physical activity & mental recharge.

**11. Co-Benefits:** *Quantify and/or describe the co-benefits of the project and how they will be maintained over time. See Grant Guidelines for examples of co-benefits.*

Controlling GSOB spread, with the ultimate goal of eradication will provide numerous benefits to residents of GV and surrounding communities. A key to GHG reduction is minimizing fossil fuel dependence: preventing GSOB spread and consequent mortality will maintain shade and minimize air conditioning costs through passive cooling in hot summer months. GV is not considered an affluent neighborhood and reducing energy costs is of considerable value.

Preventing GSOB spread and associated impacts will also limit deleterious effects to air quality, soil erosion, adverse impacts to wildlife, property values and quality of life for residents, forest service campers, sightseers, photographers and local business owners. Imagine losing 90% of 15,000 mature coast live oaks over approximately 13 square miles. The loss of leaf surface area alone will impact air quality through filtering particulates, let alone the ability to reduce rainfall velocity and subsequent mud and debris flows. Preventing tree loss will positively impact water holding capacity through root uptake and retention. Numerous birds, mammals, reptiles and invertebrates use oaks as a food source, nesting habitat or refuge. Coast live oaks provide the key environmental element for nearly all terrestrial inhabitants. Without them, GV would have a completely different sense of place. Maintaining property values is critical to GV residents; heritage oaks can add up to \$30,000 or more to home's value and many parcels have numerous oaks (Lopez, 2013). A quick Zillow search shows average property values at \$200K-\$400K. Imagine losing 15% of your property value through the loss of a large oak. This project will minimize these impacts and help maintain property values.

The cost/benefit analysis in the identifies tangible and intangible impacts and effects from oak resource losses. Estimated hard costs to mitigate GSOB in Green Valley range from \$5-6 million with currently identified, infested trees and expected additions with further inspections and monitoring. With rapid removal, retained benefits to the community and environment, much of which are intangible, far outweigh costs to identify and remove infested trees. Rosi Dagit, of the Santa Monica Mountains RCD (2017), summarizes the resource service value of oak woodlands and conservatively estimates the 100 year structural service value of individual trees in an oak woodland ecosystem at \$29,919/tree: with an estimated 15,000 trees in Green Valley, their structural ecosystem value is approximately \$449 million. See supporting Monitoring and Mitigation Program report.

A key benefit is the long term fire prevention implication. Allowing GSOB spread may provide a sea of tree mortality and future catastrophic wildfire potential and associated green house gas release. Furthermore, if GSOB spreads to the Santa Monica Mountains, with an estimated 600,000 Coast Live Oaks, potential losses could be staggering (Dagit, 2017). The 100 year oak woodland structural service value is estimated at \$17.9 billion, and carbon storage at 1,200,000 tons (Dagit, 2017).



**12. Long Term Forest Management:** Check the appropriate boxes for the project. Describe how the project will provide multiple benefits such as: carbon sequestration, forest resilience, and improved ecological outcomes that restore watershed health and function and support biodiversity and wildlife adaptation to climate change.

☒ The project will practice uneven-aged management with diverse ages, sizes, and species.

☐ The project will be done under an approved timber harvest plan, non-industrial timber mgmt. plan, or a working forest mgmt. plan.

Preservation of healthy oaks will provide the greatest carbon sequestration benefit. Although up to 3,000 infested oaks need removal, remaining oaks should develop additional stem and scaffolding tissue, and suppressed seedlings should rapidly (on a relative basis) fill newly opened canopy space. Prevention of canopy loss to the majority of oak woodland will also minimize erosion potential and maintain water quality for the second order stream leaving Green Valley and entering San Franciscuito Creek. The spreading of generated wood chips will also provide soil cover, soil building potential and soil moisture preservation.

Since Green Valley is a community of private parcels/residences surrounded by Forest Service land, habitat continuity will be maintained through vast areas of undeveloped land; yet, individual parcels contribute to habitat with oak woodland wildlife cover, food supply, nesting opportunities, and contributions to first order streams with small woody debris, nutrients and shading (water cooling) for downstream benefits.

Removal of dead or dying infested oaks will greatly benefit fire-safety, particularly the removal of amplifier trees that continue proliferating insects up to a year after death. As the project moves forward and significant insect reductions have occurred, focus on trees showing signs of infestation but without exit holes will be crucial for total control. A more aggressive public education program will have to be employed to convince owners to allow removal of declining trees. As with the law of diminishing returns, more effort will be expended finding the last remaining infested trees, than removal of those currently identified. Finally, with the removal of stressed trees, existing trees may develop stronger defense systems and newly planted trees should be less susceptible to attack, since GSOB prefers trees with DBH greater than 10".

Oak woodland values: Oaks provide numerous benefits to their communities and associated wildlife, some of which are listed below.

- Historic Native American community utilization
- Wildlife habitat
- Shading of riparian resources, water cooling
- Air quality
- Erosion control
- Aesthetics
- Recreation
- Property values
- Passive cooling, reduced utility (fuel) requirement
- Fire behavior reductions in shaded fuel breaks

Impact of lost oaks: Short term.

Areas severely impacted with GSOB may see significant changes in the look and feel of their communities. As more and more oaks succumb and are removed, or remain dead standing trees, communities will lose wildlife habitat and associated food sources (ecosystem services). With less shade, they will become hotter, changing the ambiance and comfort of residents, causing communities to lose the 'sense of place' felt with continuous canopies arching over homes and streets. Property values may decrease, since large trees can add significant value to a homeowner's residence, with estimated value of \$300 per year of life, loss of a hundred year oak may conservatively be in excess of \$30,000 (Lopez, 2013). Dead standing fuels may generate untenable wildfire conditions, with potential structure losses due to proximity of fuels and embers or inaccessibility from falling or burning trees adjacent to fire access roads. Tree removal costs can range from hundreds to thousands of dollars, depending on the tree's location and structural scaffolding. A large dead oak next to a structure will be far more costly to remove than a tree in an open area with no targets (structures, swing sets, park benches, etc.).

Impact of lost oaks: Long term

Long term impacts include potential type conversion from oak woodland to grassland or pine dominated communities, each having different faunal components. Loss of shade may cause long term increases in average temperature, raising air conditioning utility bills. Lost property values could deter investment in local infrastructure or small businesses. In state parks or US Forest Service lands, lost revenue from camping and day use fees can be expected; Cuyamaca Rancho State Park in San Diego has already lost well over \$400,000 in fees (Lopez, 2013). If GSOB escapes current containment and eradication efforts, larger swaths of oak woodlands will be impacted, generating additional expenditures, habitat losses and further community outcry. The worst case scenario for Los Angeles County will be discovery of GSOB in the Santa Monica Mountains; yet, this project may serve as a model for control.



**13. Budget:** Attach a detailed budget for the project in the MS Excel spreadsheet provided with the Invitation to Submit. Justify the budget in the box below. Include any anticipated income from the sale of forest products. If more space is needed, you may attach an additional page in no smaller than 11 point font.

Forestry is currently inspecting and monitoring infested trees in GV. Over 6,000 of an estimated 15,000 oaks have been inspected; of these, over 1,100 are currently infested and over 230 have been removed. Infested rate is over 22%. Extrapolating to the entire oak resource of 15,000 trees, the probability of maintaining this rate is high, which equates to 3,325 infested trees. Mariposa Landscape (Contract vendor) removed 61 trees at a cost of \$98,400.00, just over \$1,600 per tree. Anticipated costs for the next round of bidding is \$1,800 - \$2,000 per tree. The cost to remove 1,500 infested trees is estimated at \$2,700,000 - \$3,000,000.

Since November 2015, LACoFD has removed 200 infested trees, at this rate, removing 3,000 trees would take 15 years. The possibility of infestation increasing faster than removals makes this option unfeasible. Camp crews (un)reliability/availability limits production to unacceptable levels. The ACWM's Master Vendor Agreement (MVA) contract vendor(s) is the most efficient and cost effective option to remove GSOB infested trees. Forestry will support contract vendors with Subject Matter Experts (SMEs) on site each work day. SMEs will continue inspecting, monitoring, and working with homeowners to gain access to private parcels while also providing public education, explaining why this effort is critical and how homeowners can spread the, "Buy it where you burn it" and "Do not move firewood" message. Forestry personnel costs: 6 personnel/day, 5 days/wk, 40 wks/yr, at 4 yrs, = \$2,679,920 in kind value. During recent infested oak removal in Green valley, Forestry broke a brush chipper due to the hardness of oak wood. The purchase of a new 18" Vermier brush chipper will allow Foresters to continue removing and processing infested trees alongside the vendor(s), reducing project time and cost.

**Matching Sources:** List other funding sources or grants that will be spent as matching funds for this proposal. Include any active California Climate Investments projects of any kind. Listed sources must be funded at time of application submission.

Project or Program Name	Source	Amount
FPF Tree Mortality Grant	Cal Fire	\$200,000.00

**14. Capacity:** Describe how your organization and/or partner organizations have the capacity to carry out a project of this magnitude and complexity. Provide examples of similar work done in the past. Describe your organization's ability to begin work on this reimbursable grant.

LACoFD is currently managing a \$200K CAL FIRE FPF grant using contract vendor(s) from ACWM's MVA. Forestry's staff function as subject matter experts (SMEs), inspecting, monitoring and guiding work. RPF #2971 (Ronald M. Durbin) will oversee field work on this grant. The LACoFD's Grant Section and Financial Management Division are responsible for progress reports, statement of work, work orders, payment to vendor(s), and invoice submittal. This project will follow the same model on a larger scale with additional vendors from ACWM's MVA. The LACoFD is currently responsible for \$18 million dollars worth of grant related projects. All Federal, state and private grants are consistently in compliance; no grants are delinquent. The following is a list of a few past and current grants.

- 2008 Arundo Donax Removal and Habitat Restoration - United States Army Corp of Engineers: \$300,000.00
  - California Fire Safe Council Grants: In cooperation with 10 local Fire Safe Councils
  - 2014 Staffing for Adequate Fire and Emergency Response - FEMA: \$2,493,378
  - 2015 Assistance to Firefighters Grant - FEMA: \$1,099,478
  - 2015-2017 Homeland Security Grant - FEMA: \$10,000,000 plus
  - Fiscal Year 2016-17 State Responsibility Area Tree Mortality Grant (Green Valley) - CAL FIRE: \$200,000
  - Bradbury-Duarte Fire Hazard Reduction FEMA \$600,000 Environmental Assessment, completed.
- Previous Grants were managed by Assistant Chief J. Lopez with supporting staff: this grant will utilize similar staff.
- CEQA Compliance: Department's CEQA Coordinator.
  - Two Grant Administrators: Department's Grant Section. Will maintain project records.
  - Two Financial Officers: Department's Financial Management Division. Will be tracking project expenses.
  - Two Project Managers: Foresters from the Department's Forestry Division
  - Six Field Operation Officers: Foresters from the Department's Forestry Division



**15. Community Support:** Describe community support for the project. Include what outreach has been done to date or is planned and when. Was the community involved in planning of the project? How will they be involved in project implementation? Specify if there are AB 1550 communities served per the tables in Appendix J of the Grant Guidelines.

Forestry has been providing focused public education defensible space services to all homeowners since GSOB discovery in 2015. Every GV homeowner/occupant has been contacted (or attempted contact) by Foresters to explain GSOB issues, how the insect probably arrived & how it vectors, including warnings about moving firewood. In these meetings, Foresters also provide information on understory plant availability, toyon, coffee berry, holly leaf cherry & elderberry grown at both the Saugus & Lake Hughes Forestry units. With appropriate fire-safe planting, these seedlings provide additional opportunity for wildlife & forest complexity that may have been removed in the past. Selection of drought tolerant native plantings contributes to long term forest resilience, & when properly planted (located) & maintained, also contributes to fire-safe communities.

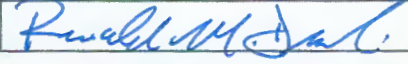
GV has regular City town hall and neighborhood watch committee meetings. These are typically attended by US Forest service personnel and occasionally with members from LA County Fire's, Fire Plan Unit. GSOB activity is a routine topic and information is shared regarding current and planned activities, such as inspections and monitoring occurring through nesting season, and planned removals through the fall and winter months.

One of our primary goals is building strong relationships with community members. Over the last two-and-a-half years, Fire Department members have developed relationships on a first name basis. This is critical in receiving inspection access and future cooperation. Many resident are skeptical of uniformed personnel, so relationship building has been a key strategic component of success. To foster trust, all Fire Department members are instructed/trained to help residents in any way they can, including medical emergencies, or changing flat tires. If a resident wants to talk, Foresters are there to listen, even when the subject has nothing to do with GSOB.

**16. Checklist of Necessary Attachments:** Some may not be applicable to your project.

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Environmental compliance documents (NEPA/CEQA, etc.) | <input type="checkbox"/> State of California Non-Discrimination Compliance (Std. 19)             |
| <input type="checkbox"/> Governing body resolution (Grant Guidelines Appendix H)         | <input type="checkbox"/> State of California Drug-Free Workplace Certification (Std. 21)         |
| <input checked="" type="checkbox"/> Map(s) of project area                               | <input type="checkbox"/> State of California Payee Data Record (Std. 204)                        |
| <input checked="" type="checkbox"/> GHG calculations following prescribed methodology    | <input checked="" type="checkbox"/> Signed letters of participation from listed primary partners |
| <input type="checkbox"/> Forest Legacy Application -- Conservation easements only        | <input checked="" type="checkbox"/> Forest Health Project Budget (in provided Excel format)      |
| <input checked="" type="checkbox"/> Project area and treatment area GIS shape files      |  |

**17. Authorized Signature:** The Applicant's Representative as listed in the governing body resolution must sign below. The signature certifies that all of the information provided in this application and all attached required forms and documents is accurate and correct. The signer additionally acknowledges that they have read and understand the CCI-Forest Health Program Grant Guidelines.

Signature		Date	August 22, 2018
Printed Name	Ronald M Durbin	Title	Acting Assistant Chief, Forestry
Email	Ron.Durbin@fire.lacounty.gov	Phone Number	(818) 890-5758
Address 1	12605 Osborne St.		
Address 2			
City	Pacoima	State	California
		Zip Code	91331

**CAL FIRE CCI Forest Health Grant Program**



Budget Item	Description	Cost Basis	CAL FIRE		Total
			Grant Share	Grantee Match	
A. Salaries and Wages			-	1,640,338.87	1,640,338.87
Assistant Chief Forestry	Project oversight			115,088.51	115,088.51
Deputy Foresters	Daily project management			380,643.25	380,643.25
	Manage grant (work order, progress reports, invoices, etc.)			1,004.00	1,004.00
Grant Administrators	Pay invoices			900.00	900.00
Forestry Assistants	Daily field work			676,513.96	676,513.96
Forestry Technicians	Daily field work			466,189.15	466,189.15
B. Employee Benefits			-	819,157.09	819,157.09
Assistant Chief Forestry				37,547.89	37,547.89
Deputy Foresters				220,689.66	220,689.66
Grant Administrators				-	-
Financial Officers				-	-
Forestry Assistants				404,597.70	404,597.70
Forestry Technicians				156,321.84	156,321.84
Agricultural Commissioner's Person				-	-
Green Valley FSC Volunteers				-	-
C. Contractual			2,910,000.00	-	2,910,000.00
Private Tree Vendor	Contract via Master Agreement	2,955,000.00	1,455,000.00	-	1,455,000.00
Private Tree Vendor	Contract via Master Agreement	2,955,000.00	1,455,000.00	-	1,455,000.00
				-	-
D. Travel			-	108,000.00	108,000.00
F-250 Pick-up	72 miles round trip (46,080 total miles)	29,376.00		54,000.00	54,000.00
F-250 Pick-up	72 miles round trip (46,080 total miles)	29,376.00		54,000.00	54,000.00
				-	-
E. Supplies			-	5,000.00	5,000.00
Paper, map printing		1,250.00		1,250.00	1,250.00
Tree tags	15000 tags	3,750.00		3,750.00	3,750.00
				-	-
F. Equipment			90,000.00	52,000.00	142,000.00
Chipper	18" Vermier Brush	142,000.00	90,000.00	52,000.00	142,000.00
				-	-
				-	-
G. Other			-	-	-
				-	-
				-	-
				-	-
TOTAL DIRECT COSTS			3,000,000.00	2,624,495.96	5,624,495.96
INDIRECT COSTS			-		-
TOTAL PROJECT COSTS			3,000,000.00	2,624,495.96	5,624,495.96
LESS Program Income			-		-
TOTAL GRANT PROPOSED COSTS			3,000,000.00	2,624,495.96	5,624,495.96

Applicant:

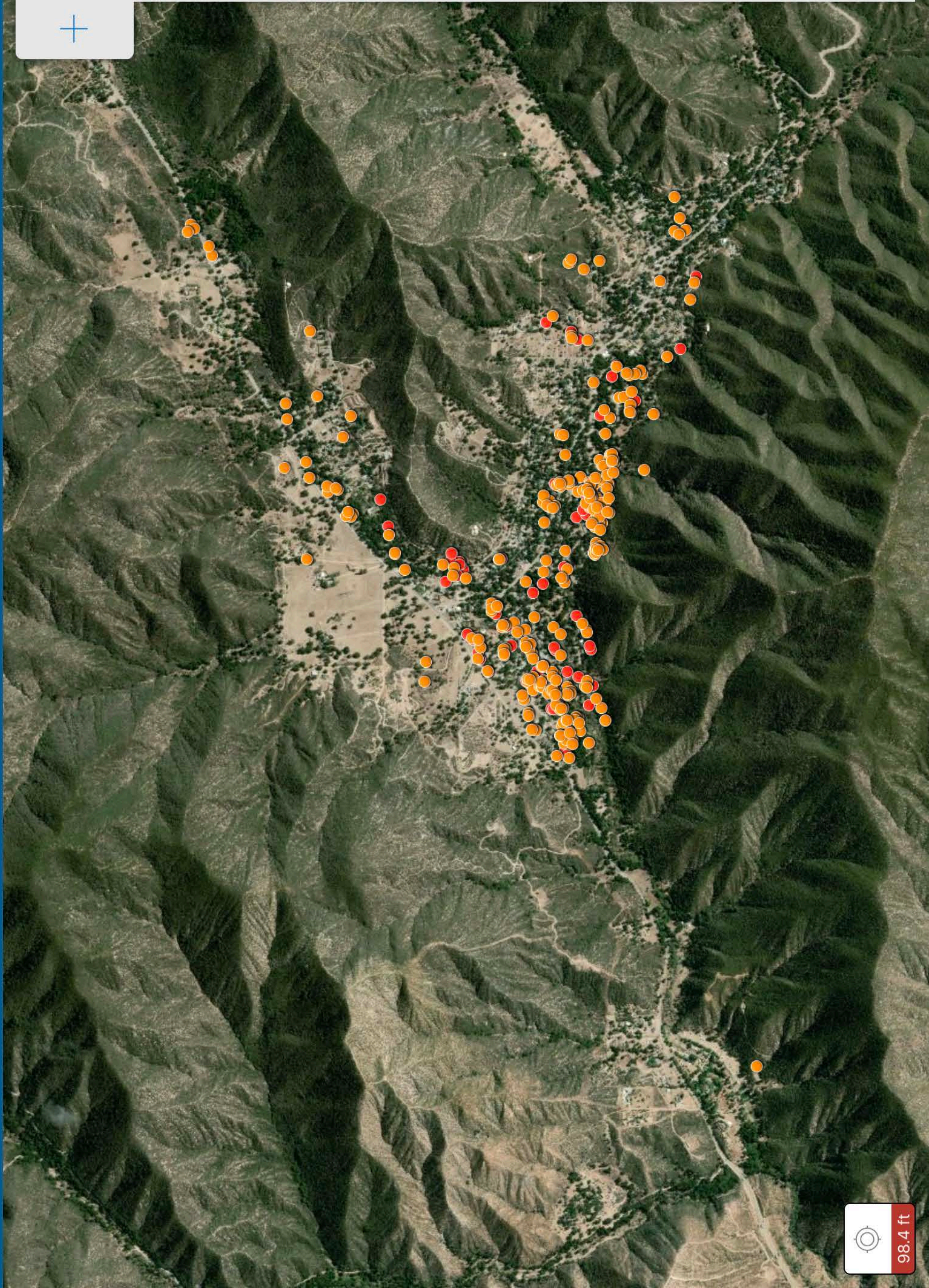
Application ID:

**List only one ownership type and only one treatment type per row. You may need to list a treatment area more than one time.**

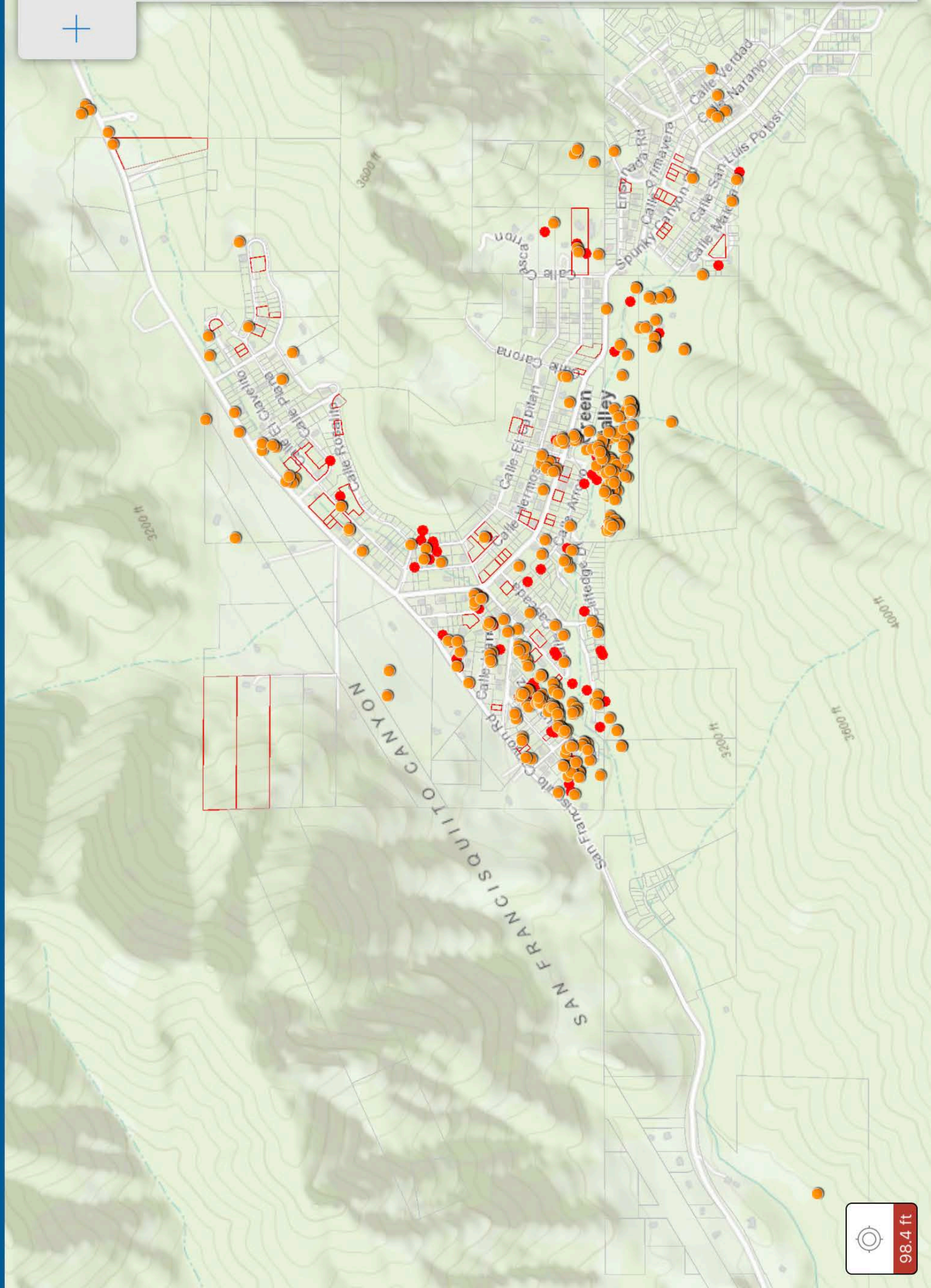
**Add more rows if needed. All treatment areas must be included. Not required for Forest Legacy projects.**

[illegible]





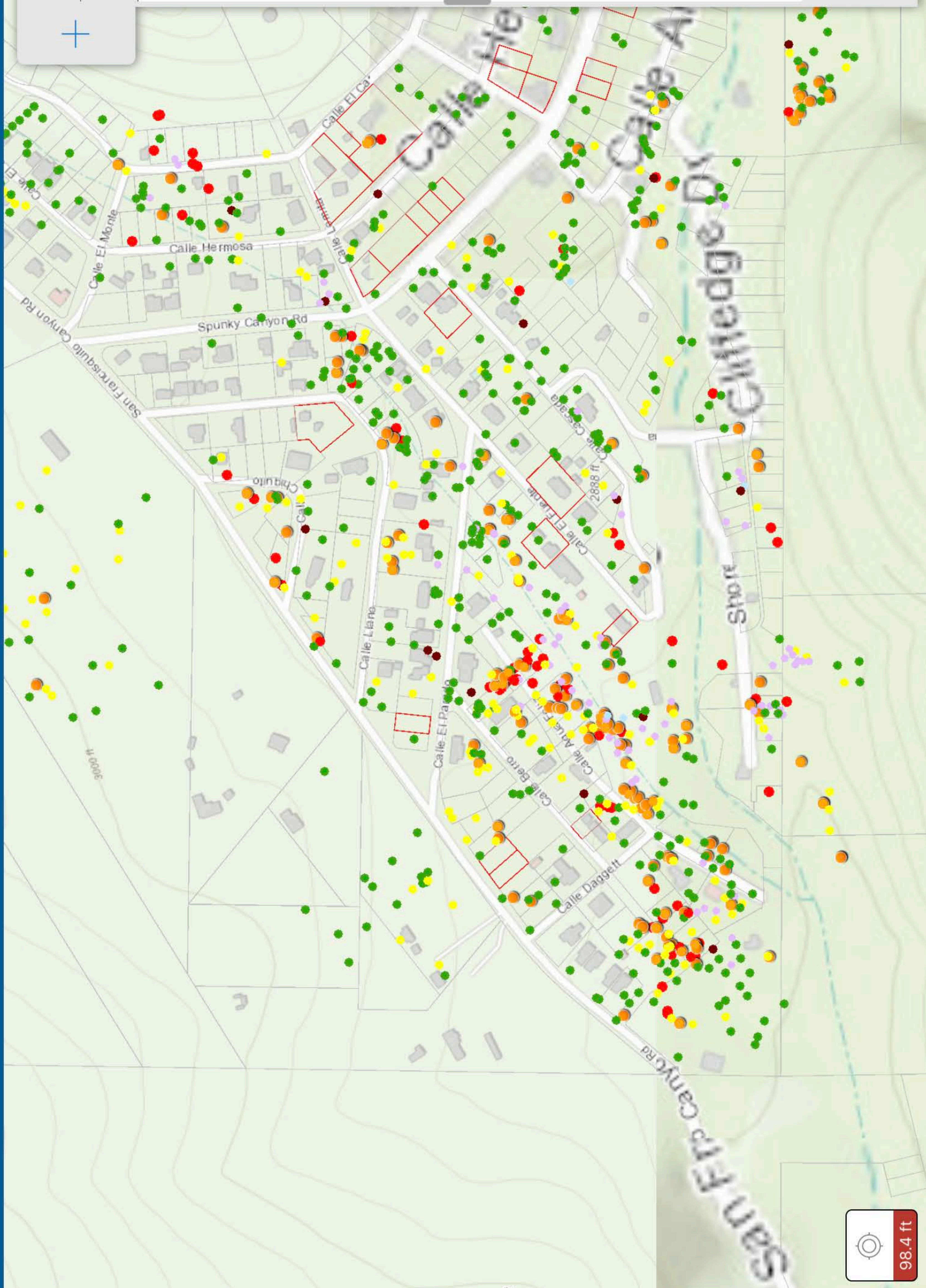




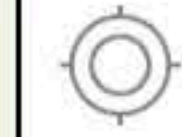
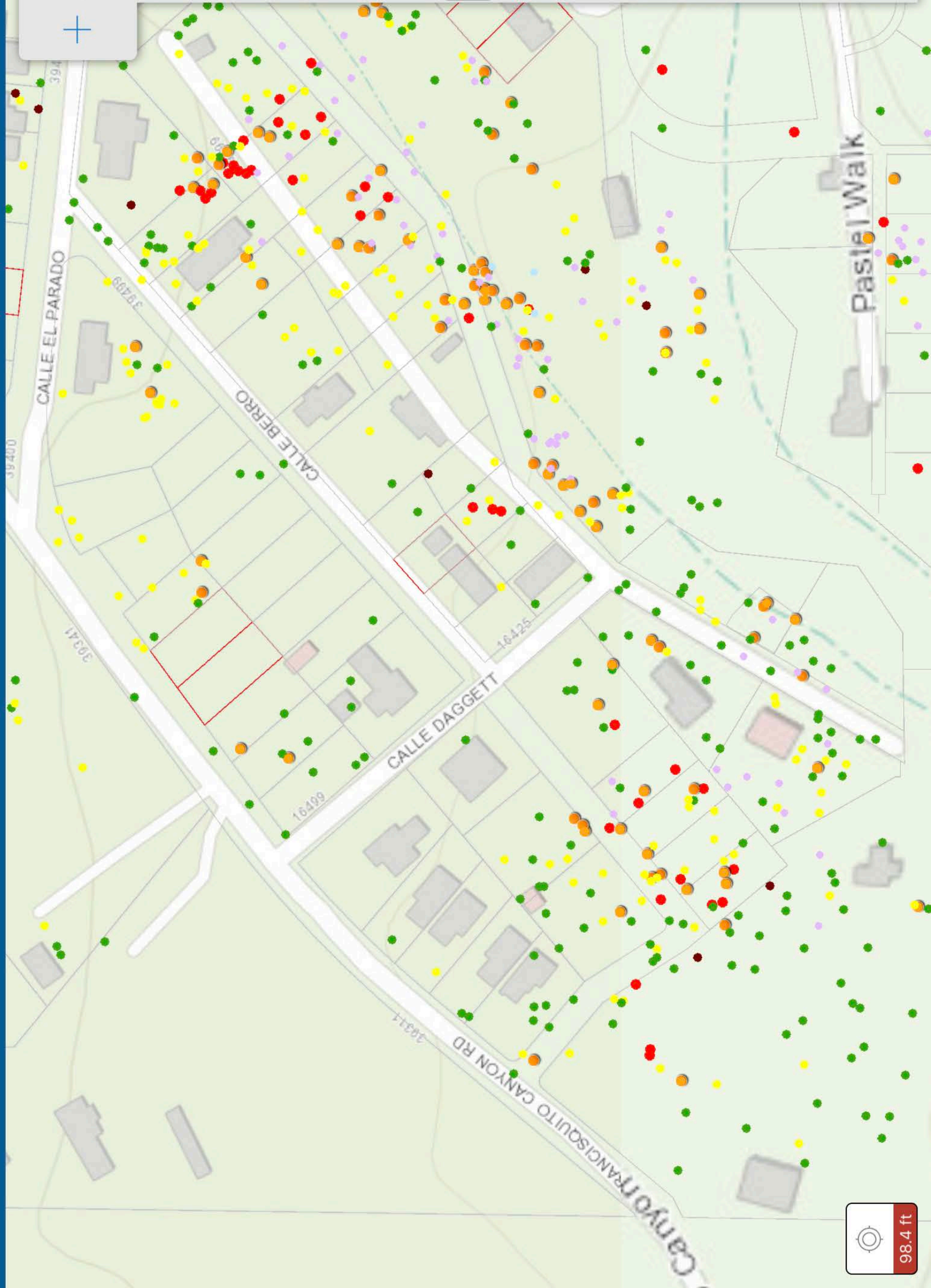




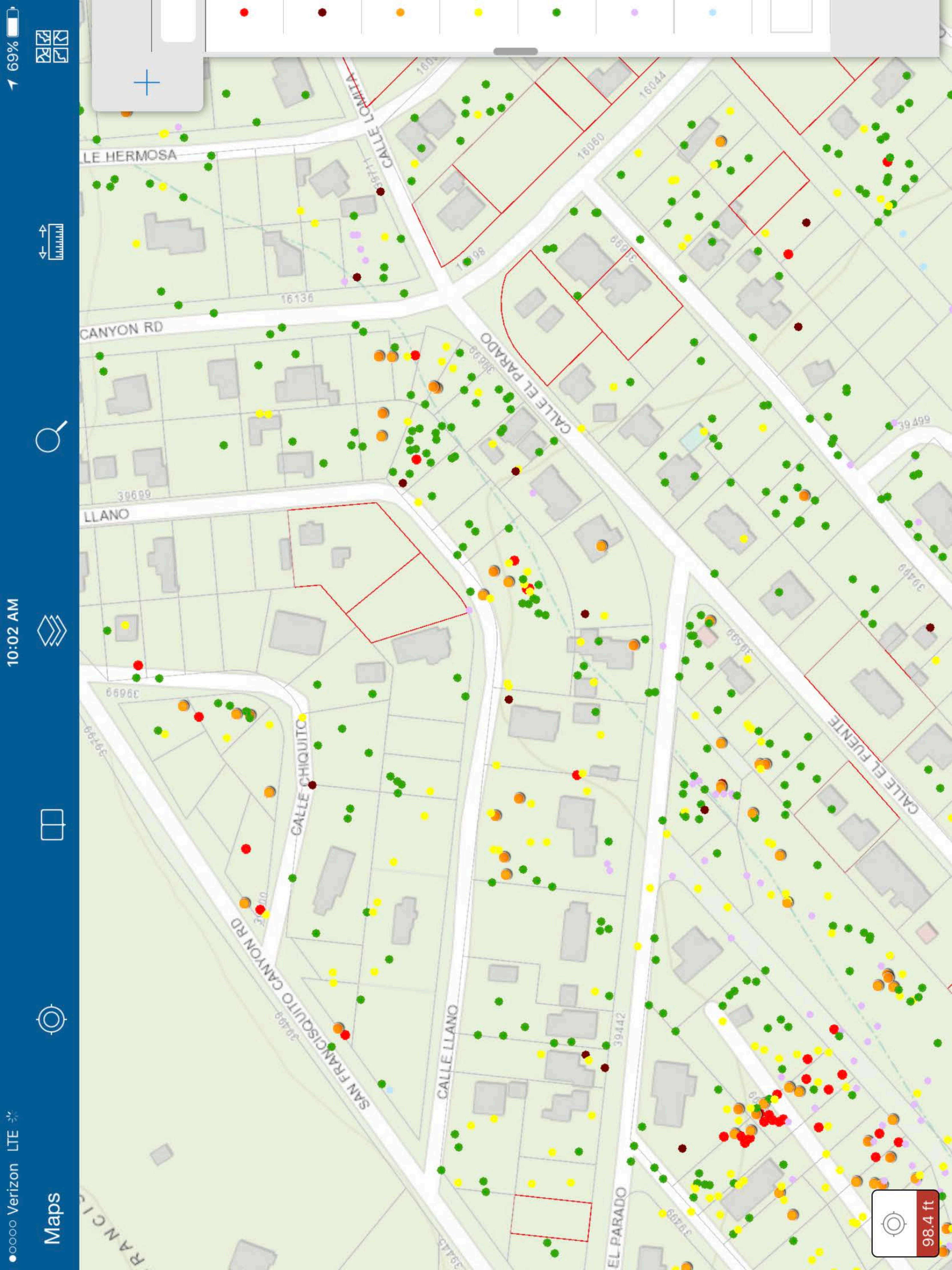








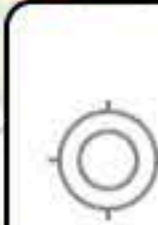




10:02 AM

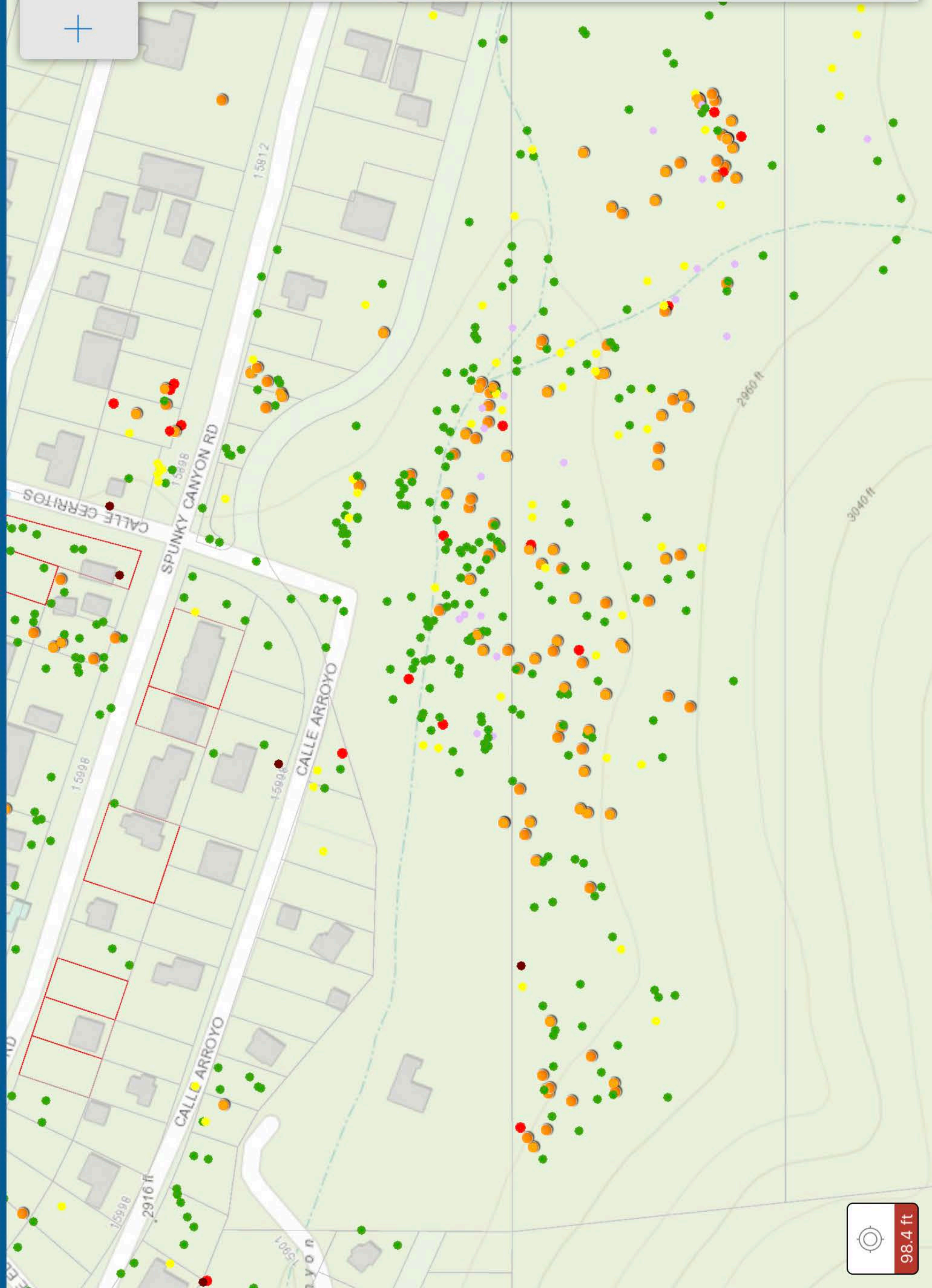
Verizon LTE

Maps

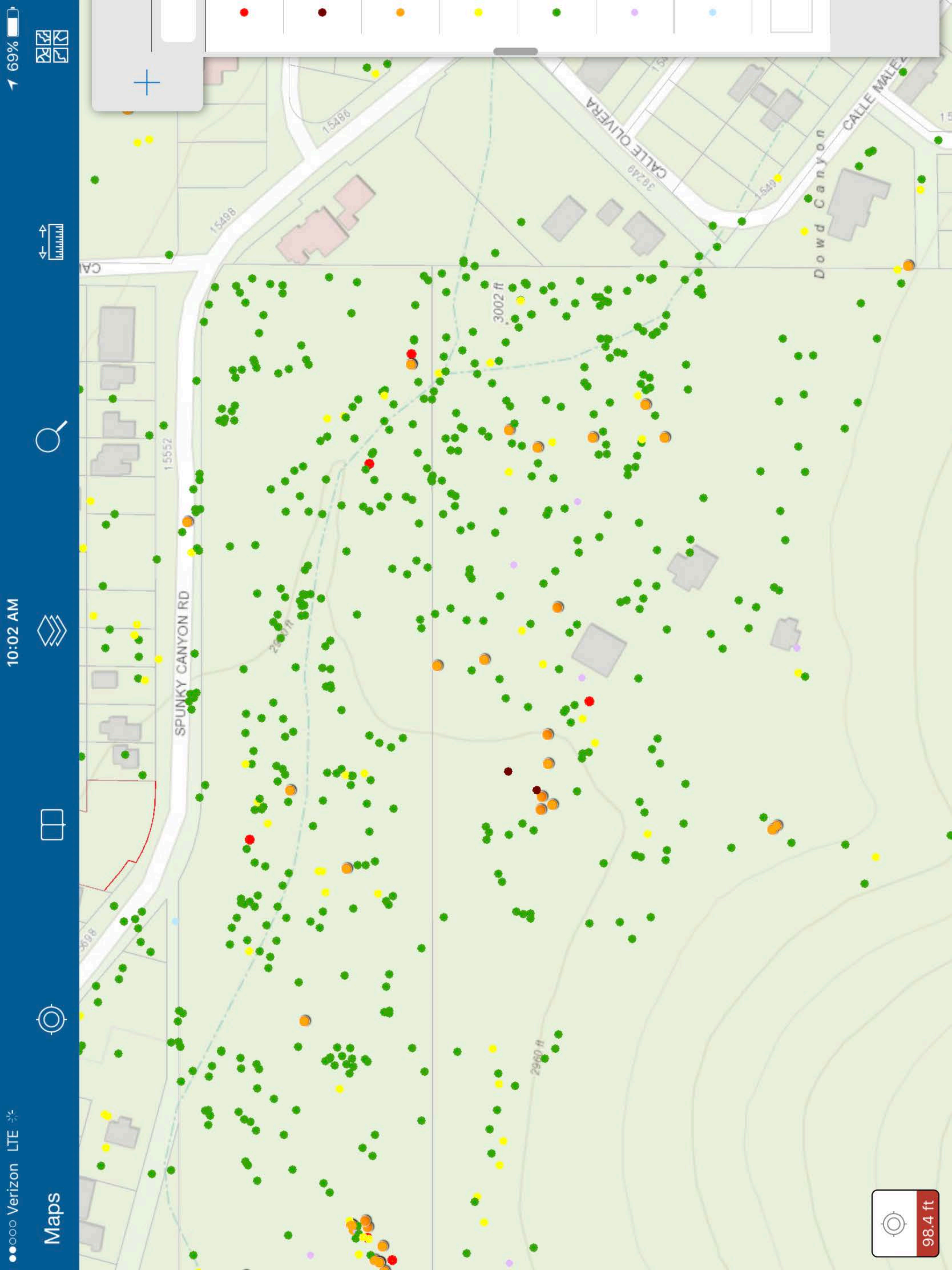


98.4 ft







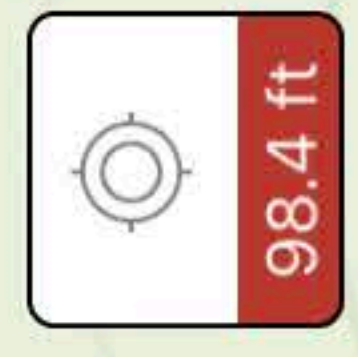


10:02 AM

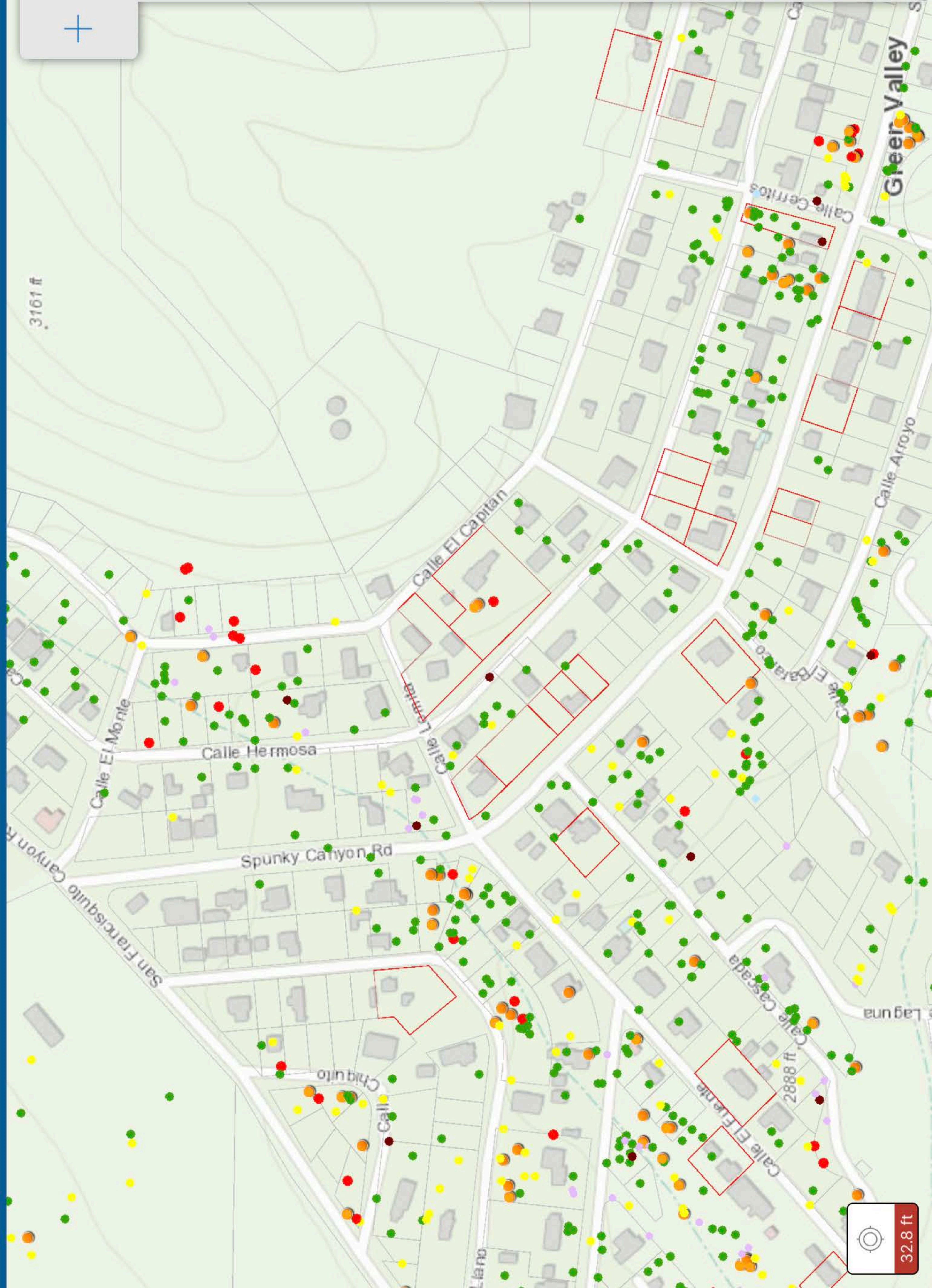
Verizon LTE

69%

Maps











Collect a new feature



Filter

Amplifier

Export100418\_AIIGSOB

High Difficulty for Removal

Export100418\_AIIGSOB

Mark for Removal

Export100418\_AIIGSOB

Monitor

Export100418\_AIIGSOB

Non-infested

Export100418\_AIIGSOB

Removed by Fire

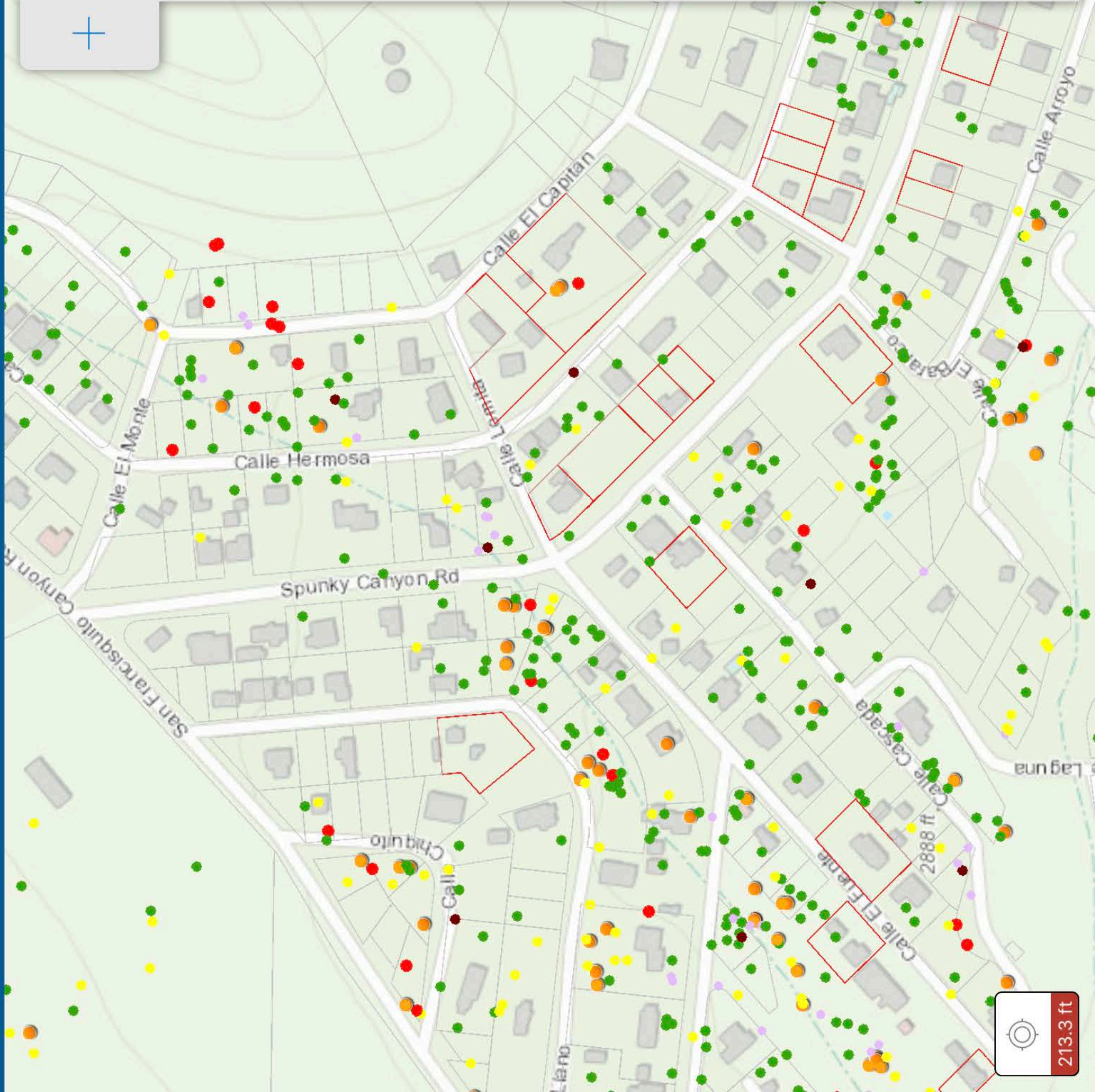
Export100418\_AIIGSOB

Removed by Owner

Export100418\_AIIGSOB

Greenvalley\_SRAParcels

GreenValleyParcelsAccess

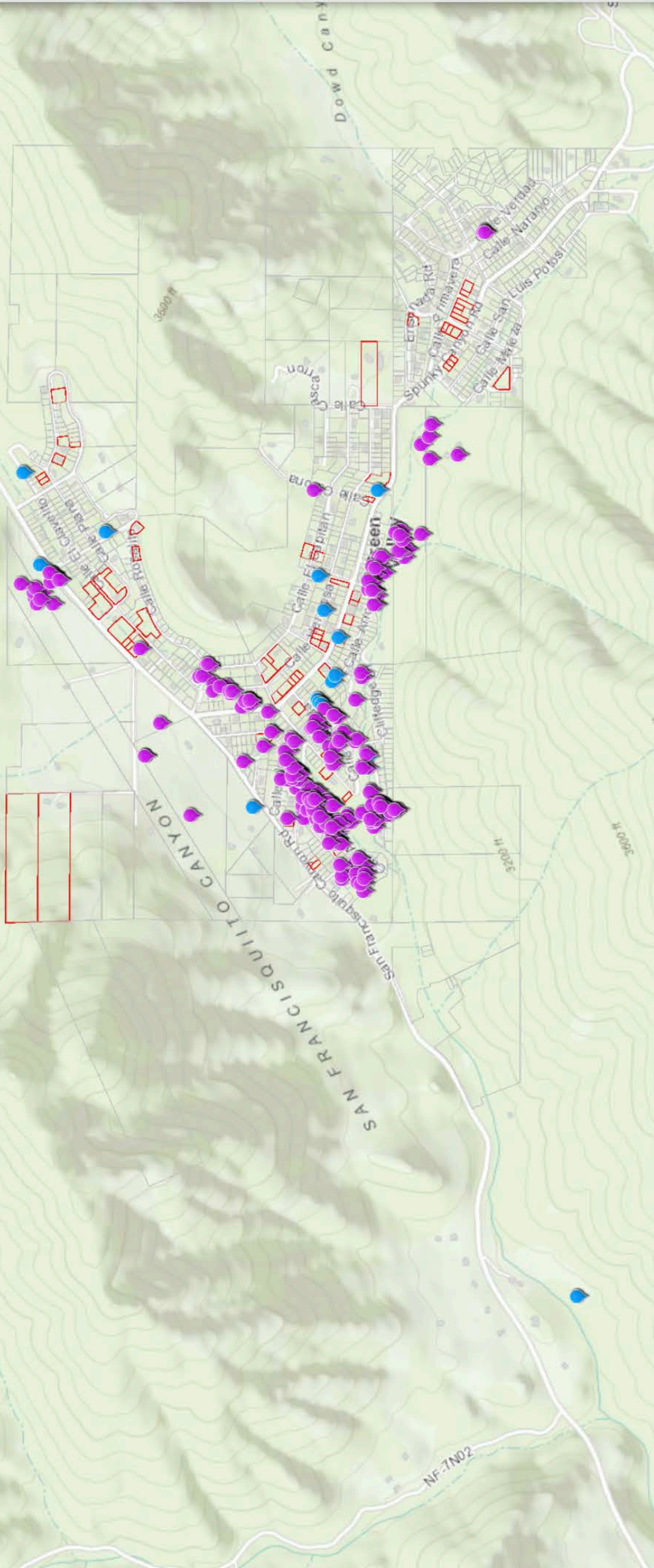




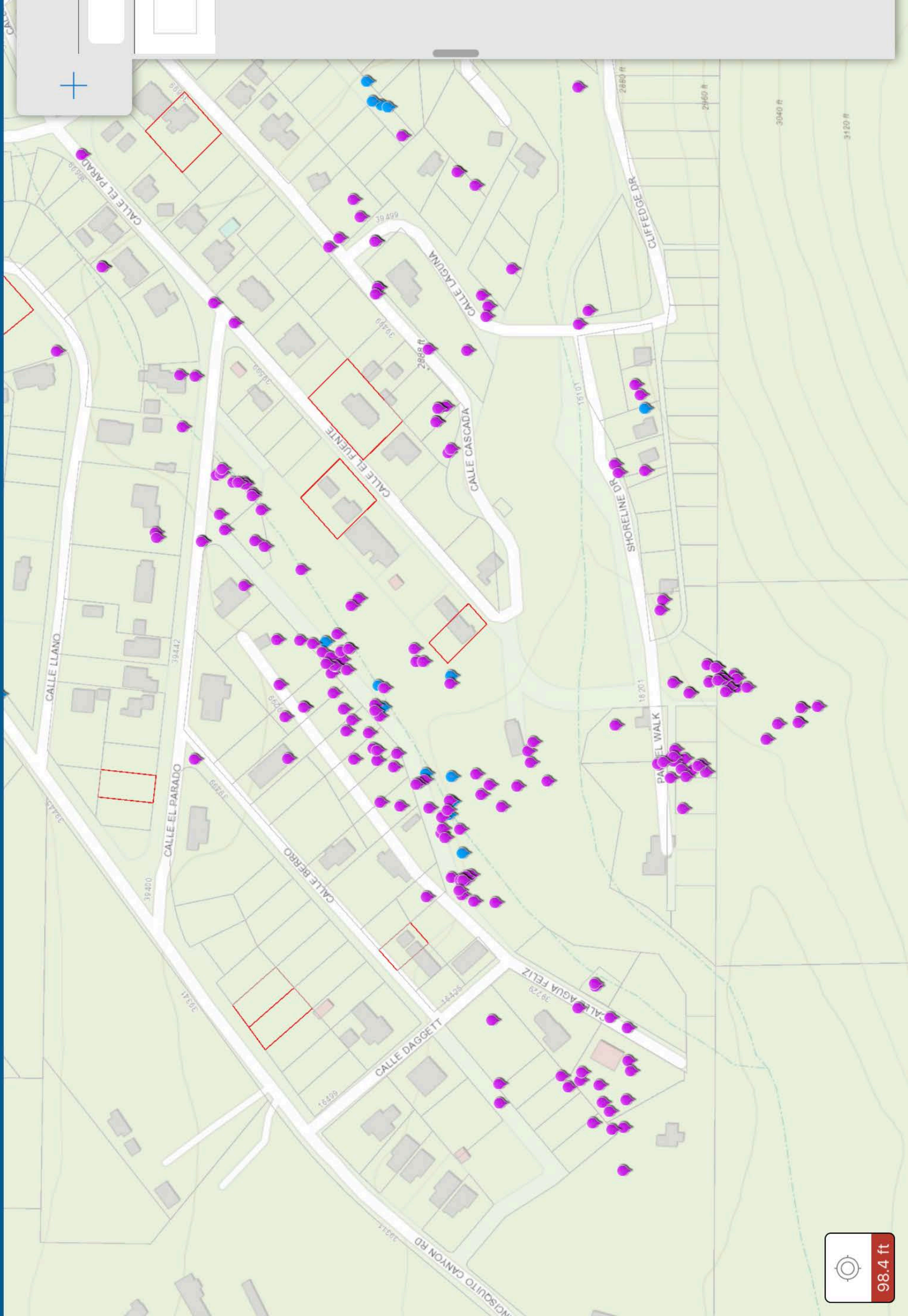


Angeles  
National  
Forest

South Portal Canyon









PINK(1)

BA FORM 04072017

BOARD OF SUPERVISORS  
OFFICIAL COPYJanuary 08, 2019  
DEPT NO: 390-02

COUNTY OF LOS ANGELES

**REQUEST FOR APPROPRIATION ADJUSTMENT**

Department of FIRE

**AUDITOR-CONTROLLER:**

THE FOLLOWING APPROPRIATION ADJUSTMENT IS DEEMED NECESSARY BY THIS DEPARTMENT. PLEASE CONFIRM THE ACCOUNTING ENTRIES AND AVAILABLE BALANCES AND FORWARD TO THE CHIEF EXECUTIVE OFFICER FOR HIS RECOMMENDATION OR ACTION.

**ADJUSTMENT REQUESTED AND REASONS THEREFOR****FY 2018-19****4 - VOTES****SOURCES****USES**

FIRE DEPARTMENT - EXECUTIVE BUDGET UNIT

DA1-FR-88-8805-40100-40129

STATE AID FOR DISASTER

**INCREASE REVENUE****1,142,000**

FIRE DEPARTMENT - EXECUTIVE BUDGET UNIT

DA1-FR-2000-40100-40129

SERVICES &amp; SUPPLIES

**INCREASE APPROPRIATION****1,000,000**

FIRE DEPARTMENT - EXECUTIVE BUDGET UNIT

DA1-FR-6030-40100-40129

CAPITAL ASSETS - EQUIPMENT

**INCREASE APPROPRIATION****142,000****SOURCES TOTAL****\$ 1,142,000****USES TOTAL****\$ 1,142,000****JUSTIFICATION**

Reflects the acceptance of grant funds from the State of California Department of Forestry and Fire Protection (CAL FIRE) - Forest Health California Climate Investments (CCI) Grant Program. The project objective is to remove insect infested Oak trees that are dead or dying, which pose a threat to the residents of the Green Valley State Responsibility Area (SRA), and to procure a new tree chipper.

**ADOPTED**BOARD OF SUPERVISORS  
COUNTY OF LOS ANGELES

AUTHORIZED SIGNATURE

ADRIAN LI, ADMIN SVCS MGR III, FMD

BOARD OF SUPERVISOR'S APPROVAL (AS REQUESTED/REVISED)

# 42

FEB 05 2019

REFERRED TO THE CHIEF EXECUTIVE OFFICER FOR ACTION  
☐ ACTION  
☒ RECOMMENDATION

AUDITOR-CONTROLLER

BY

B.A. NO. 086

DATE

Dec. 12, 2018

☒ APPROVED AS REQUESTED☐ APPROVED AS REVISED

CHIEF EXECUTIVE OFFICER

BY

DATE DEC 12, 2018

SEND 3 COPIES TO THE AUDITOR-CONTROLLER